

Parameter estimates for the modified observation model

Parameter	Exp 1	Exp 2	Exp 3	Exp 4
$\bar{M}_s$	2.35×10^3 (9)	1.3×10^3 (5)	2.45×10^3 (–)	978. (–)
$\bar{k}_2$	0.00751 (10)	0.0263 (16)	0.00798 (–)	0.0183 (–)
k_4	0.00606 (11)	0.00167 (16)	0.00704 (–)	0.00514 (–)
b	908. (23)	2.15×10^3 (2)	1.15×10^3 (–)	2.12×10^3 (–)
s	8.6×10^3 (6)	34.1×10^3 (6)	20.3×10^3 (–)	18.1×10^3 (–)
ω_{11}	0.0938 (15)	0.0594 (226)	0.11 (–)	0.211 (–)
ω_{12}	0.0479 (33)	–0.227 (20)	0.0587 (–)	0.125 (–)
ω_{13}	0.00517 (322)	–0.0351 (153)	–0.1 (–)	–0.0448 (–)
ω_{22}	0.256 (13)	0.381 (35)	0.354 (–)	0.27 (–)
ω_{23}	–0.00654 (764)	–0.176 (72)	0.486 (–)	0.105 (–)
ω_{33}	0.29 (13)	0.863 (15)	0.535 (–)	0.431 (–)

Estimated parameter values considering each of the four experiments separately, using the observation model including background fluorescence.